



PATENT ABSTRACTS OF JAPAN

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(71) Applicant: TOSHIBA CORP

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(72) Inventor: NISHIOKA TAKESHI
MARUMO HITOSHI,
SEKINE KUNIO

(54) SLIDING MEMBER, ROLLING BEARING, ROTARY ANODE X-RAY TUBE AND MANUFACTURE OF SLIDING MEMBER COPYRIGHT: (C)1995,JPO

(57) Abstract:

PURPOSE: To obtain a sliding member which elongates life, reduces fluctuation of a frictional coefficient, keeps and shows stable rotational function, a rotary anode X-ray tube having a bearing composed of the sliding member, and manufacture of the sliding member.

CONSTITUTION: A sliding member including a rolling bearing has a base 8, a metal layer 9 which has a melting point not less than 2000°C for coating at least a sliding surface of the base 8, and a solid lubricant layer 10 coating the metal layer 9. A rotary anode X-ray tube uses as a rotary bearing the sliding member having the base 8, the metal layer 9 which has a melting point not less than 2000°C for coating at least a sliding surface of the base 8, and the solid lubricant layer 10 coating the metal layer 9. In manufacture of the sliding member including the rolling bearing, a metal layer or a solid lubricant layer having a melting point not less than 2000°C is formed on the slid surface of the base by ion plating.

